BRUHATH BANGALORE MAHANAGARA PALIKE

Yalahanka ELECTRICAL DIVISION

PRE MEASUREMENT BOOK

Name of work :-Annual Maintenance and repairs of street lights in ward no 04 Package Y -04 of Yelahanka Zone.

Name of Contractror of nature of Agency:-M/S.Suraksha Electrical

Job Code No:-004-22-000011

Ref no and Date of commencement of work:-:- EE/Ele/YZ//WO/000004 /22-23 Date:01/04/2022

Aggrement No & date:-

Measurement Book No: **Page No:**

Bill NO :- 7th RA Bill **Bill Period : 01-02-2023 to 28-02-2023 (for 1 months)**

Sl. No.		Unit	Period in Months	Present Measurements		
				Qty	Tender Full Rate	Cost
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 36/40 W fluorescent tube light street lighting systems.	Each	1	0	57.12	0.00
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 125 W HPMV light Park lighting systems.	Each	1	0	63.02	0.00
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 250W HPSV street light lighting systems.	Each	1	2136	84.95	181453.20
4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents 400 watts HPSV street light/High Mast lighting systems.	Each	1	202	93.17	18820.34

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5	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 24 watt LED park lighting systems.	Each	1	0	73.33	0.00
6	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 65 watt LED street light lighting systems.	Each	1	98	95.16	9325.68
7	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 90 watt LED street light lighting systems.	Each	1	1034	114.80	118703.20
8	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 110/120 watt LED streetlight lighting system	Each	1	16	131.30	2100.78
9	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 150 watt LED street light /High mast lighting system	Each	1	0	155.95	0.00
10	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole.Upto 5Mtr street light pole.	Nos	-	0	550.00	0.00
11	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole.8Mtr and above street light pole.	Nos	-	235	770.00	180950.00

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	Address	Qty					
	LBS Nagara 1st Main	14					
	Opp RMZ Mall	15					
	Allasandra Fly over	69					
	Railway Under Bridge Judicial Layout	39					
	Kanaka Nagara	13					
	Allasandra Lake	80					
	K K Hospital Road	5					
	Total	**235**					
12	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) 100Amps 25kA.		Each	-	19	4530.00	86070.00
13	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop- Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/ Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets.260mmx210mmx116mm		Each	-	18	2054.00	36972.00

	Pole Number	Address	Qty					
	SNE/04/YB/13B/19	13th B Main B Sector	1					
	SNE/04/YB/12B/00/05	12th B Main B Sector	1					
	SNE/04/YB/04/00/6	4th B Main B Sector	1					
	SNE/04/YB/1B/00/07/7	8th B Cross B Sector	1					
	SNE/04/YB/1B/00/06	1st B Main B Sector	1					
	SNE/04/YB/00/09/13	9th B Cross B Sector	1					
	SNE/04/YB/00/7B/3	7th B Cross B Sector	1					
	SNE/04/YA/14A/09	14th A Main A Sector	1					
	SNE/04/YA/2A/00/6	2nd A Main A Sector	1					
	SNE/04/YA/3A/00/6	3rd A Main A Sector	1					
	SNE/04/YA/4A/00/6	4th A Main A Sector	1					
	SNE/04/00/28/00/6	28th Main Judicial Layout	1					
	SNE/04/JL/00/27/5	27th Cross Judicial Layout	1					
	SNE/04/JL/23/00/3	23rd Main Judicial Layout	1					
	SNE/04/JL/09/00/06	9th Main Judicial Layout	1					
	SNE/04/JL/00/01/2	1st Cross Judicial Layout	1					
	SNE/04/JL/14/00/16	14th Main Judicial Layout	1					
	SNE/04/JL/00/11/4	11th Cross Judicial Layout	1					
	SNE/04/JL/11/00/13	11th Main Judicial Layout	1					
	Total		19					

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14	Supply of LED floodlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/clear glass material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm.Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/ IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with W System Power consumption. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in- house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source.LED Floodlight 240W							Nos	-	23	18400.00	423200.00

Address	Qty
Allalasandra Lake	6
Police Station Circle	5
Near Janapriya Apartment	6
Ganesha Park	6
Total	**23**

15	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. 40x40x6mm						Mtr	-	25	255.00	6375.00
	for each Flood Light Required 1.1 Mtr angle iron frame =1.1 mtr X 23 = 25.3 Mtr										
16	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.100 to 125Amps						Nos	-	10	7200.00	72000.00
17	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.						Each	-	10	4030.00	40300.00

Pole Number	Address	Qty
SNE/04/TC18/PM/02/00/02/L	2nd Main,PM Enclave ,Yelahanka New Town	1
SNE/04/TC/DMR/00/35/L/L	7th Cross, A Sector, Yelahanka New Town	1
Sheshsdri Puram College	2A Cross,A Sector, Yelahanka New Town	1
SNE/04/TC/ML/00/07/18/L	7th Cross,Mathru Layout	1
SNE/04/TC29/DMR/00/01/S	2nd Cross,LBS Nagara	1
New Pole	Near Garuda Mall,Yelahanka New Town	1
New Pole	Near Sharavathi,Yelahanka New Town	1

C & C

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	New Pole	Near Prakyathi Party Hall, A Sectror,Yelahanka New Town	1					
	New Pole	Near Janapriya Apartment, Allalasandra	1					
	SNE/04/TC9/DMR/00/01	Allalasandra Main Road, Near Allalasandra Fly Over	1					
	Total		**10**					
18	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 50-63 Amps SP			Each		14	723.00	10122.00
	Pole Number	**Address**	**Qty**					
	SNE/04/JL/09/00/2	9th Main Judicial Layout	1					
	SNE/04/AV/01/00/5	1st Main Allalasandra	1					
	SNE/04/AV/00/05/12	5th Cross Allalasandra	1					
	SNE/04/JL/26/00/6	26th Main Judicial Layout	1					
	SNE/04/JL/00/22/22	26th Cross Judicial Layout	1					
	SNE/04/JL/20/00/2	20th Main Judicial Layout	1					
	SNE/04/JL/19/00/4	19th Main Judicial Layout	1					
	SNE/04/JL/18/00/12	18th Main Judicial Layout	1					
	SNE/04/SN/01/00/03	1st Main Someshwara Nagara	1					
	SNE/04/SN/00/4B/2	4th B Cross Someshwara Nagara	1					
	SNE/04/SN/04/00/10	4th Main Someshwara Nagara	1					
	SNE/04/YA/1A/00/7	1st A Main A Sector	1					
	SNE/04/YA/13A/00/7	13th A Main A Sector	1					
	SNE/04/YA/13A/00/15	13th A Main A Sector	1					
	Total		**14**					
	TOTAL Rs							**1186392.20**
	Add GST 12 % on item no							102718.68
	TOTAL Rs							**1289110.88**
	Fine imposed for non burning of street lights For the period of 01/02/2023 to 28/02/2023							4600.00
	As per street light agreement clause 2% will be deducted in monthly maintenance bill against the released scrap material							6608.06
	GRAND TOTAL							**1277902.82**

CERTIFICATE

1.This is to certify that the work done is saticefactorily.

2.This is to certify that the bill amount calimed in this bill does not claimed in any of the previous bill.

Junior Engineer(Elec)
Yalahanka Division

Asst.Exe.Engineer(Elec)
Yalahanka Division

Asst.Executive Engineer
BBMP, Bangalore

2/3/23